

THE CHEMIST

NORM 2019

The Puget Sound Chemist

Volume 80 No. 6 - June 2019

74th Northwest Regional Meeting
June 16th-19th, 2019 | Portland, Oregon



Newsletter of the Puget Sound Section
of the American Chemical Society

FROM THE EDITOR



ACS
Chemistry for Life®

2019 NORM | From Nano to Global

THE PUGET SOUND CHEMIST

Newsletter of the
Puget Sound Section
of the
American Chemical Society

American Chemical Society Website

<http://acs.org>

Puget Sound Section Website

<http://pugetsound.sites.acs.org>

Please address general email
correspondence to:

info@pugetsound.sites.acs.org

The 2019 Northwest Regional Meeting (NORM 2019) will be held June 16th-19th, 2019 at Portland State University in Portland, Oregon. The theme is 'From Nano to Global'. [Registration](#) is open.

The Senior Chemists Committee is sponsoring a tour of the Cedar River Watershed and Education Center in North Bend, WA in September. The event is open to all members. However, priority will be given to senior members. Capacity is limited to 15 persons. **RSVP to strongdespina@gmail.com by June 10th, 2019.** See further details on [page 14](#).

The monthly Younger Chemists Committee meeting will be on June 11th, 2019 from 6:00pm-7:00pm at the University of Washington (Room CHB439). Direct questions to: pugetsoundycc@gmail.com

Save the Date! The [2019 50/60 Year Award Dinner](#) will be on Saturday, August 3rd, 2019.

Read an excellent article by Jennie Mayer on the 2019 Scholarship Award winners on [page 6](#).



Jonathan Clark

Newsletter Editor

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ACS
Chemistry for Life[®]

CALENDAR

Calendar of Events - <http://pugetsound.sites.acs.org/calendar.htm>

10 June 2019 – Executive Committee Meeting

Time: 7:00pm

Location: North Seattle College - 9600 College Way N, Seattle WA 98103
Room 2328C - South end of the 2nd floor of the Instruction Building (IB)

[Campus Map](#)

10 June 2019 – RSVP Deadline for September 2019 Cedar River Watershed Tour

11 June 2019 – Younger Chemists Committee Meeting

Time: 6:00pm-7:00pm

Location: University of Washington (Room CHB439) - Seattle, WA

16-19 June 2019 – 74th Northwest Regional Meeting (NORM 2019)

Theme: From Nano to Global

Location: Portland State University - Portland, Oregon

3 August 2019 – 50/60 Year Dinner

Time: TBD

Location: TBD

25-29 August 2019 – 258th ACS National Meeting - Fall 2019

Theme: Chemistry & Water

Location: San Diego, California

3 September 2019 – Cedar River Watershed Tour

Time: 9:30am-2:00pm

Location: North Bend, WA

22-26 March 2020 – 259th ACS National Meeting - Spring 2020

Theme: Macromolecular Chemistry: The Second Century

Location: Philadelphia, Pennsylvania

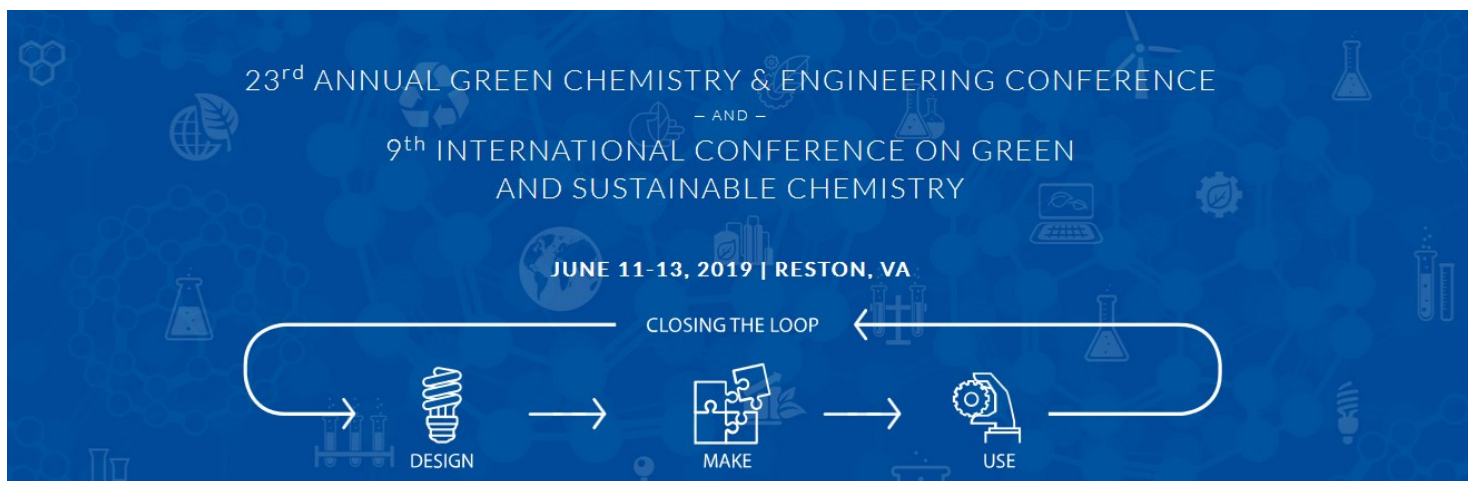
PUGET SOUND SECTION

NEWS BRIEFS

2019 Green Chemistry Conference

June 11th - 13th, 2019 | Reston, Virginia

The 23rd ANNUAL GREEN CHEMISTRY & ENGINEERING CONFERENCE and the 9th INTERNATIONAL CONFERENCE ON GREEN AND SUSTAINABLE CHEMISTRY will be focused on the theme of "Closing the Loop" in the chemical life cycle.



**TECHNICAL PROGRAM
SYMPOSIA**

NEWS BRIEFS

74th Northwest Regional Meeting (NORM 2019)

June 16th - 19th, 2019 | Portland State University - Portland, Oregon

Theme: From Nano to Global



NORM 2019 - Registration

Registration is now open

Regional ACS meetings are great occasions for students and faculty alike to present research, share pedagogical insights, network, and learn. NORM 2019 is a particularly good opportunity for chemistry graduate and undergraduate students in the Pacific NW to share their research. Additional details may be found on the [NORM 2019 website](#).



[NORM Registration](#)

ACS Puget Sound Scholarships

Jennie Kong Mayer | Education Committee Chair

Each year, our section gives a total of four college scholarships to students who study and wish to further pursue the chemical sciences. The Education Committee considers many factors in making the award decisions, including academic performance, maturity and motivation, financial need, personal stories, recommendations from faculty and community members, and enthusiasm for chemistry. For more information and for future applications, please visit our website:

<https://pugetsound.sites.acs.org/scholarshipsandawards.htm>

The **William J. Wasserman Memorial Scholarship** is named after Bill Wasserman, long time professor of chemistry at Seattle Central College (then, community college) and past Chair of the ACS Puget Sound section. This award goes to two students from a 2-year college in our region who plan to transfer to a 4-year college or university in the next academic year.



Left to right: Brandon Carlson-Clarke, Aminda Cheney-Irgens, Kollin Trujillo, Jennie Mayer

Brandon Carlson-Clarke is from Tacoma Community College. Growing up, Brandon had to help his family financially and helped raise his two younger sisters, making it difficult to excel in high school. But as a college student, he thrived and reaffirmed his passion for science. At TCC, he is the Medical, Dental, and Pharmacy Club president and volunteers at Tacoma General Hospital. He also tutors at the Peace Community Center, helping under-resourced youth. The committee was extremely proud of Brandon for his determination and personal story. His mentor, Dr. Maricris Orama said Brandon was *“the very rare gem institutions would be honored to call their own. I consider it a privilege to work with him every day and observe first-hand his hunger for education, as his deep and persistent need for knowledge and commitment to learning is inspiring to those around him.”*

Natalie Hoss is from Green River Community College. The committee was very impressed with Natalie’s commitment to the environment and chemical engineering. She is a STEM tutor, a member of MESA, a volunteer for the MaST, and in the Women in Engineering Club. Natalie’s MESA director Kristine Schroeder said *“Natalie is developing herself as a mentor for female students interested in STEM careers.”* She was recommended highly not just for her academic performance but how well she worked with others, helping to explain difficult concepts. She hopes to get an internship this summer and as a chemical engineer, hopes to reduce pollution in manufacturing and transportation.

**Scholarships, Grants
and Awards Webpage**

ACS Puget Sound Scholarships *(continued)*

Jennie Kong Mayer | Education Committee Chair

The **Julia Ann Rutherford Scholarship** is named after Julia, who was an enthusiastic chemistry major at Pacific Lutheran University. She was exceptional, receiving 7 full tuition scholarships from around the country. She chose PLU and thrived there, becoming active in chemistry club and ACS, among many other clubs. She was headed toward someday earning a PhD in chemistry. Tragically she lost her life hiking in the snow in the Cascade Mountains in 2011.

Aminda Cheney-Irgens is a student at PLU and the committee was very impressed by her curiosity and interest in science from a young age, and how well she has done academically in chemistry. Last summer she was selected for an undergraduate research project to synthesize electrolytes for more efficient batteries. She also worked with MESA students one summer doing chemistry demos. She also advocates for sustainability as the campus Sustainability Director. She is a dual Hispanic Studies and Chemistry Double major. Aminda had two very strong recommendation letters from Dr. Craig Fryle and Dean Waldow. Dr. Fryhle said *“Aminda is a sincere warm respectful enthusiastic and smart young woman. She is actually a bit like the late Julia Rutherford”*.

Kollin Trujillo is from Central Washington University. In his essay, Kollin said *“Chemistry was a subject that I felt challenged me to think about the world around me.”* Organic chemistry sparked his interest, and he obtained a research internship at the Pacific NW National Lab in Richland, to work in the field of chemical biology. He was actually in two research groups at CWU and would like to pursue graduate studies in some type of chemical field. Kollin has volunteered at a hospital in Richland and for MESA while a student at Columbia Basin College where he attended his first two years of college. He gave an oral presentation at the undergraduate research symposium at the University of Puget Sound in late April.

Kollin's professors wrote every encouraging letter, letting us know Kollin places in the top 5% of his classes. He is the first in his family to complete a college degree and that much of his funding is his own. We know the funds are going for a great investment in his bright future.

The scholarships were presented at the ACS Puget Sound Undergraduate Research Symposium held on April 27, 2019 at the University of Puget Sound. Each student receives \$1500 from the ACS Puget Sound Section, a certificate and their name is engraved on a perpetual plaque. The Wasserman Award is displayed at Seattle Central College, and the Julia A. Rutherford Award is displayed at Pacific Lutheran University.

Many thanks to those who serve on the ACS Education Committee who helped select these awards: Leonard Andrews, Sailaja Arungundram, Clarita Bhat, Gwen Gross, Despina Strong, Lauren Wugalter, Amar Yahiaoui

NEWS BRIEFS



Like Our Facebook Page!

Keep connected with your local section through social media.

We post about upcoming social events that you can attend, local section meetings and other info.

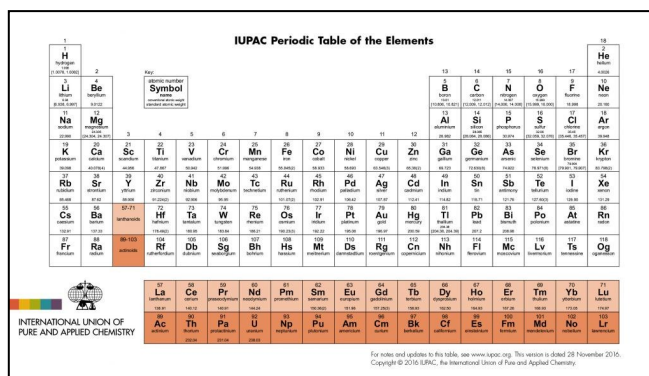
<https://www.facebook.com/AmericanChemicalSocietyPugetSoundSection>

NEWS BRIEFS

2019 is the International Year of the Periodic Table

150th Anniversary of Mendeleev's Discovery of the Periodic System

UNESCO (the United Nations Education, Scientific and Cultural Organization) has announced that the United Nations proclaimed 2019 to be the International Year of the Periodic Table of Chemical Elements.



The image shows the IUPAC Periodic Table of the Elements, a standard 18-column periodic table. It includes element symbols, names, and atomic numbers. The table is color-coded by groups. Below the main table is a separate row for the lanthanide and actinide series. The logo of the International Union of Pure and Applied Chemistry (IUPAC) is visible in the bottom left corner of the table area.

[IUPAC IYPT Webpage](#)

[IYPT 2019 Website](#)

[IUPAC IYPT Article](#)

[UNESCO IYPT Webpage](#)



Elementsinyourlife.org is an exhibition dedicated to the celebration of the International Year of the Periodic Table (IYPT), 2019.

Science in the City

Lectures by the Pacific Science Center

The Pacific Science Center organizes an excellent Science Lecture series. The lectures are free and open to the public. They are held at the Pacific Science Center in Seattle, WA.

[Pacific Science Center
Lectures Webpage](#)

Science on Tap

Seattle Science Café

Science on Tap events are free and open to the public.

[Science on Tap
Webpage](#)

Olympia Science Café

Monthly Science Café in Olympia, WA

The Olympia Science Café is a free event that is open to the public. Event location varies.

PSS Awards and Scholarships

The ACS Puget Sound Section Education Committee offers the following awards and scholarships:

2-year College Student Scholarships (William J Wasserman Memorial Scholarship), \$1500.

Click on the following links for the application forms, due dates and other details.

Application Form Links: ([Word](#)) ([PDF](#)) **The application deadline for 2019 was extended to April 8th.**
([Puget Sound Section Colleges List](#))

4-year College Student Scholarships (Julia Ann Rutherford Memorial Scholarship), \$1500.

Click on the following links for the application forms, due dates and other details.

Application Form Links: ([Word](#)) ([PDF](#)) **The application deadline for 2019 was extended to April 8th.**
([Puget Sound Section Colleges List](#))

High School Teacher of the Year Award, \$250 plus \$750 for Chemistry Lab Supplies.

The Section accepts nominations from January 1 - April 30 each year and selects one teacher for this award.

Nomination Form Links: ([Word](#)) ([PDF](#)) **The application deadline was extended to May 31st (for first consideration). Nominations will be accepted until Oct 31st if no award is given by May 31st for 2019.**

ACS Student Affiliate Chapter Grants for activities and/or travel, up to \$500.

A request must be submitted to the Executive Committee with details well in advance of the need.

Funding is limited and may be granted on a first come first served basis. To apply, please email a completed application to: EducationCommittee@pugetsound.sites.acs.org

Application Form Links: ([Word](#)) **Applications are accepted until funds are spent.**

K-12 Educator Grants, up to \$500.

Grant applications are accepted at any time during the year. Click on the application link for details.

Application Form Links: ([Word](#)) ([PDF](#)) **Applications are accepted until funds are spent.**

The committee welcomes new members! Please contact us if you are interested in joining. Our email address is:

educationcommittee@pugetsound.sites.acs.org

Our current committee members are: Leonard Andrews, Sailaja Arungundram, Clarita Bhat, Gwen Gross, Jennie Mayer (Chair), David Munch, Despina Strong, Alicia Taylor, Lauren Wugalter, Amar Yahiaoui and Kirby Zornes

For more details and applications, visit our page at <http://pugetsound.sites.acs.org/scholarshipsandawards.htm>

**Scholarships, Grants
and Awards Webpage**

YCC Monthly Meetings

June 2019

The YCC advocates for and provides resources to early-career chemists and professionals in the chemical sciences and related fields. If you may not be an 'early-career professional', the YCC still welcomes you to help ignite the curiosity and success of young minds.

We would love to have you join us every month and learn how you can get involved with your local ACS section! Anybody is welcome to attend these meetings so please feel free to invite your friends/colleagues. The details for the next meeting is as follows:

Location: University of Washington (Room CHB439) - Seattle, WA

Date/Time: June 11th, 6:00pm-7:00pm



MARK YOUR CALENDAR

Save the Date: 50/60 Year Award Dinner

August 3rd, 2019 | Location TBA

Save the date for the 2019 50/60 Year Award Dinner! Saturday, August 3rd, 2019. Further details will be forthcoming as we get closer to the event.

258th ACS National Meeting (Fall 2019)

August 25th - 29th, 2019 | San Diego, California

Theme: Chemistry & Water



259th ACS National Meeting (Spring 2020)

March 22nd - 26th, 2020 | Philadelphia, Pennsylvania

Theme: Macromolecular Chemistry: The Second Century



MARK YOUR CALENDAR

Cedar River Watershed Tour

September 3rd, 2019 | North Bend, WA

The Senior Chemists Committee is sponsoring a tour of the Cedar River Watershed and Education Center in North Bend, WA. The event is open to all members. However, priority will be given to senior members. Capacity is limited to 15 persons. **RSVP to strongdespina@gmail.com by June 10th, 2019.**



Cedar River Watershed Tour, North Bend, WA

<http://www.seattle.gov/utilities/environment-and-conservation/our-watersheds/cedar-river-watershed/education-center>

Sponsored by the Senior Chemists Committee of the ACS Puget Sound Section



Tuesday, September 3, 2019

Travel to and from location: ~1 1/2 hours from Seattle

Tour: 9:30 am – 12:00 pm (fee is covered by Senior Chemists Committee)

Lunch: ~12:30 pm- 2:00 pm, North Bend (\$7)

Capacity Limit: 15

Notes from the organizer, Senior Chemists Committee Chair, Despina Strong

1. You must RSVP by June 10, 2019 to strongdespina@gmail.com
2. We need to confirm the tour by June 15, 2019
3. Because of the limited capacity, priority will be given to ACS members who fit the definition of a senior (over 50 years old per ACS), followed by other ACS members.
4. Details on carpooling, transportation and other logistics will be sent to the attendees closer to the date.

MARK YOUR CALENDAR

OSHA 7225 - Transitioning to Safer Chemicals

Safer Alternatives for Professionals

This course will guide participants through OSHA's substitution planning process for understanding and evaluating chemical use, identifying and assessing alternatives, and implementing safer alternatives. OSHA 7225 is for professionals at all levels of chemistry understanding who play a role in product, materials or chemical selection.

Two events in the Seattle area:

April 30th - May 1st, 2019 (past event)

December 11th-12th, 2019

[Register online](https://osha.washington.edu/osha/course/transitioning-safer-chemicals) (https://osha.washington.edu/osha/course/transitioning-safer-chemicals)

[Watch a recorded webinar](#) about the training.

CAREER RESOURCES

ACS Career Resources

Powerful Career Advancement Tools

Many opportunities and career resources are available on the ACS website for ACS members! Check them out!



[ACS Career Resources](#)

[Job Postings
\(ACS National\)](#)

[Job Postings
\(ACS Puget Sound\)](#)

ACS Puget Sound Career Event

Annual Event Focused on Chemistry Careers

The Puget Sound Sections hosts a Career Event each year (usually held in February) at a local business or governmental facility. These events present great opportunities to see the scope of the activities of the hosting organizations. The event is recommended for all undergraduate science students. Admission is free. The event is open to all, however, space is usually limited and registration is required. Keep an eye on the Calendar for details regarding the next event.

[Calendar
\(ACS Puget Sound\)](#)

Internships

Opportunities for Gaining Job Experience

King County Internships

Washington Conservation Corps

Ecology Youth Corps

CAREER RESOURCES

Example Job Position Title

Job Posting Key

Company or Organization Name | City, State | ACS PSS Posting Date: mm/dd/yyyy

Short description of the job position.

The company or organization's website will be hyperlinked here.

The job position title will include a hyperlink to any pertinent web posting for the position.

Instructional & Classroom Support Tech 3 (Chem)

Shoreline Community College | Shoreline, WA | ACS PSS Posting Date: 04/01/2019

Shoreline Community College has a new job opening: Instructional & Classroom Support Tech 3 (Chemistry). Date of first consideration: April 29th, 2019. Check out our openings at www.shoreline.edu/hr.

Full-time Lecturer

Central Washington University | Ellensburg, WA | ACS PSS Posting Date: 04/01/2019

The Department of Chemistry at Central Washington University (Ellensburg, WA) is hiring a full-time lecturer for the 2019-20 academic year. Teaching responsibilities will primarily be in general chemistry. Required qualifications: Master's Degree in chemistry or related field; applicants must show evident of their ability to be an excellent teacher; experience and demonstrated commitment to diversity. Preferred qualifications: PhD in chemistry or related field (ABD candidates may be considered; however, the terminal degree must be completed within one year of start date); university-level teaching experience; experience working with a diverse student population. To apply, please go online to <https://careers.cwu.edu> and search for job 2765. Screening date is Tuesday, April 9th, 2019.

Science Communication Fellowship

Science Communication Network | Bethesda, MD | ACS PSS Posting Date: 03/01/2019

The Science Communication Network (SCN), along with Advancing Green Chemistry, offers a Science Communication Fellowship for early career researchers in environmental health and green chemistry. Supported by the Target Foundation, the program is a one-year fellowship for doctoral students and post-docs chosen for their potential to become the next leadership in the fields of environmental health and green chemistry. We are now accepting applications <<http://advancinggreenchemistry.org/collaborations/science-communication-fellows/>> for the 2019-2020 Fellowship which begins in May 2019. If you know an amazing researcher who with some communications training might step into a leadership role in our field, please share this application and send Amy Kostant (amy@sciencecom.org | o: 301-654-6665) a note indicating that you recommend this candidate. More info can be found here: <http://advancinggreenchemistry.org/collaborations/science-communication-fellows/>

Full-Time Faculty Positions in Mathematics

Bellevue College | Bellevue, WA | ACS PSS Posting Date: 02/01/2019

First review of applications was January 31st, 2019. Applications received after that date may be considered until the position is filled.

Full-Time Faculty Position in Meteorology

Bellevue College | Bellevue, WA | ACS PSS Posting Date: 02/01/2019

First review of applications is February 7th, 2019. Applications received after that date may be considered until the position is filled.

MEMBER BENEFITS

Join ACS!

Benefits and Resources Available to You

[Membership Categories and Dues/Application Process](#)

[Member Benefits](#)

[ACS National Strategic Plan](#)

[Online Resources](#)

[About the Puget Sound Section](#)



ACS National Resources

Services to take advantage of

Provide a few examples. Expand this section.

ACS Webinars

Webinars on Chemistry Themed Topics

Hundreds of webinars presented by subject matter experts in the chemical enterprise.

LIVE every Thursday at 2pm ET!



EXECUTIVE COMMITTEE ROSTER

Position	Election Year	Name	Contact Email
Chair	N/A	Leonard J. Andrews	chair@pugetsound.sites.acs.org
Chair-Elect	Annually	Jennifer Marsalla	N/A
Past Chair	N/A	Leonard J. Andrews	N/A
Secretary	Annually	Michael Meechan	secretary@pugetsound.sites.acs.org
Treasurer	Annually	David Munch	treasurer@pugetsound.sites.acs.org
Newsletter Editor	N/A	Jonathan Clark	newsletter@pugetsound.sites.acs.org
Councilor Position 1	2020	David Patrick	N/A
Alternate Councilor Position 1	2020	Gwen Gross	N/A
Councilor Position 2	2021	Gary Christian	N/A
Alternate Councilor Position 2	2021	John Macklin	N/A
Councilor Position 3	2019	Craig Fryhle	N/A
Alternate Councilor Position 3	2019	Carole Berg	N/A
Councilor Position 4	2020	Dharshi Bopegedera	N/A
Alternate Councilor Position 4	2020	Charity Lovitt	N/A
Councilor Position 5	2021	Despina Strong	N/A
Alternate Councilor Position 5	2021	Natalie Merrill	N/A

Other Contact	Contact Email
Executive Committee	executivecommittee@pugetsound.sites.acs.org
General Contact	info@pugetsound.sites.acs.org

OTHER OUTSTANDING VOLUNTEERS

Position	Name	Contact Email
Awards Committee* Chair	Leonard J. Andrews	N/A
Career Event Committee Chair	Dharshi Bopegedera	N/A
Communications Committee Chair	Jonathan Clark	N/A
Earth Day Committee Chair	Karen Goodwin	N/A
Education Committee* Chair	Jennie Mayer	education@pugetsound.sites.acs.org
Employment Committee* Chair	Vacant	N/A
Finance Committee* Chair	David Munch	N/A
Hospitality Committee* Chair	Carole Berg	N/A
Pauling Medal Symposium Committee Chair	N/A for 2019	N/A
Long-Range Planning Committee* Chair	Vacant	N/A
Membership Committee* Chair	Vacant	N/A
National Chemistry Week Committee Chair	Roxanne Hulet	N/A
Nominating Committee Chair	Leonard J. Andrews	elections@pugetsound.sites.acs.org
Program Committee* Chair	Leonard J. Andrews	N/A
Professional Relations & Status Committee* Chair	Vacant	N/A
Public Affairs Committee* Chair	Vacant	N/A
Public Relations Committee* Chair	Craig Fryhle	N/A
Regional Activities Committee* Chair	Vacant	N/A
Safety Committee Chair	Natalie Merrill	N/A
Senior Chemists Committee Chair	Despina Strong	seniorchemists@pugetsound.sites.acs.org
Sustainability Committee Chair	Natalie Merrill	N/A
Undergraduate Research Symposium Committee Chair	Neal Yakelis	N/A
Webmaster	Jonathan Clark	webmaster@pugetsound.sites.acs.org
Women Chemists Committee Chair	Despina Strong	N/A
Younger Chemists Committee Chair	Michael Meechan	ycc@pugetsound.sites.acs.org

*Standing Committee (per the bylaws)



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